### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/085,539 Confirmation No.: 9853

Applicant : CARLYLE, Wenda, et al.

Filed: February 26, 2002

TC/A.U. : 1616

Examiner : WEBMAN, Edward J.

Docket No. : P872 Customer No. : 28390

Title : Peroxisome Proliferator-Activated Receptor

GAMMA LIGAND ELUTING MEDICAL DEVICE

Mail Stop AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### DECLARATION OF ROBERT L. CAFFERATA UNDER 37 CFR § 1.131

### I, ROBERT L. CAFFERATA, declare the following:

- I previously was employed by MEDTRONIC, INC., and am one of the inventors of the above-identified application.
- I understand that in an Office Action dated 14 April 2007, the Examiner rejected Claims 1, 2, 5-7, 9, 11, and 27, of the above-identified application under 35 U.S.C. §103(a) as obvious over the combination of U.S. Patent No. 5,443,458 and International Publication No. WO 01/07066.
- I understand that International Publication No. WO 01/07066 was filed on 19 July 2000 and published on 1 February 2001. The cover page of International Publication No. WO 01/07066 is attached as EXHIBIT A.

- Two of my redacted laboratory notebook pages, which were prepared in the United States 4. and witnessed by Wenda Carlyle before 1 February 2001, are attached as EXHIBIT B. The laboratory notebook pages summarize and evidence the reduction to practice of the subject matter claimed in the above-identified application. Specifically, EXHIBIT B, page 1, paragraph 1, describes a stent designed to improve the treatment of restenosis by eluting ligands of peroxisome proliferator-activated receptor gamma (PPARγ) from the stent. EXHIBIT B, page 1, paragraphs 2 and 6, and page 2, paragraph 1, disclose that rosiglitazone is a PPARy ligand and is of particular interest to elute from a stent to treat restenosis.
- All statements made herein of my own knowledge are true and that all statements made 6. on information and belief are believed to be true; and further, that the statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of this application or any patents issuing thereon.

12-18-07 Date

4794 Hillsboro Circle

Santa Rosa, CA 95405

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### DECLARATION OF PEIWEN CHENG UNDER 37 CFR § 1.131

### I, PEIWEN CHENG, declare the following:

- I am one of the inventors of the above-identified application.
- I understand that in an Office Action dated 14 April 2007, the Examiner rejected Claims 1, 2, 5-7, 9, 11, and 27, of the above-identified application under 35 U.S.C. §103(a) as obvious over the combination of U.S. Patent No. 5,443,458 and International Publication No. WO 01/07066.
- I understand that International Publication No. WO 01/07066 was filed on 19 July 2000 and published on 1 February 2001. The cover page of International Publication No. WO 01/07066 is attached as EXHIBIT A.

- 4 Two redacted pages of Robert Cafferata's laboratory notebook, which were prepared in the United States and witnessed by Wenda Carlyle before 1 February 2001, are attached as EXHIBIT B. The laboratory notebook pages summarize and evidence the reduction to practice of the subject matter claimed in the above-identified application. Specifically, EXHIBIT B, page 1, paragraph 1, describes a stent designed to improve the treatment of restenosis by eluting ligands of peroxisome proliferator-activated receptor gamma (PPARy) from the stent, EXHIBIT B, page 1, paragraphs 2 and 6, and page 2, paragraph 1, disclose that rosiglitazone is a PPARy ligand and is of particular interest to elute from a stent to treat restenosis.
- 6 All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that the statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of this application or any patents issuing thereon.

Peiwen Cheng 366 Breeden Street

Santa Rosa, CA 95409

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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### DECLARATION OF WENDA CARLYLE UNDER 37 CFR § 1.131

### I, WENDA CARLYLE, declare the following:

- I previously was employed by MEDTRONIC, INC., and am one of the inventors of the above-identified application.
- I understand that in an Office Action dated 14 April 2007, the Examiner rejected Claims 1, 2, 5-7, 9, 11, and 27, of the above-identified application under 35 U.S.C. §103(a) as obvious over the combination of U.S. Patent No. 5,443,458 and International Publication No. WO 01/07066.
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- 6. All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that the statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of this application or any patents issuing thereon.

Wenda Carlyle

Saddle Ridge Road Newton, CT 06470-2417 *F.J.* 23,

# **EXHIBIT A**

### (19) World Intellectual Property Organization International Bureau



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### (43) International Publication Date 1 February 2001 (01.02.2001)

(51) International Patent Classification?:

PCT

A61K 38/00

## (10) International Publication Number WO 01/07066 A2 Research Centre, Ninewells Hospital and Medical School.

Dundee, Tayside DD1 9SY (GB).

- (21) International Application Number: PCT/EP00/06986 (74) Agent: RUTTER, Keith: SmithKline Beecham, Two New Horizons Court, Brentford, Middlesex TW8 9EP (GB). (22) International Filing Date: 19 July 2000 (19.07.2000) (81) Designated States (national): AE, AG, AL, AM, AT, AU, (25) Filing Language: English AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, (26) Publication Language: English LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, (30) Priority Data: TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW. 9917405.4 23 July 1999 (23,07,1999) GB
  - (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE. IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

### (72) Inventors; and

(75) Inventors/Applicants (for US only): PALMER, Colin, Neil, Alexander [GB/GB]; The University of Dundee, Biomedical Research Centre, Ninewells Hospital and Medical School, Dundee, Tayside DD1 9SY (GB), VOSPER, Helen [GB/GB]; The University of Dundee, Biomedical Research Centre, Ninewells Hospital and Medical School, Dundee, Tayside DD1 9SY (GB), WOLF, Charles, Roland [GB/GB]; The University of Dundee, Biomedical

(71) Applicant (for all designated States except US): THE

Dundee, Tayside DD1 4HN (GB).

UNIVERSITY OF DUNDEE [GB/GB]; 11 Perth Road,

#### Published:

Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF TREATMENT AND DRUG SCREENING METHODS

(57) Abstract: A method of preventing or reducing foam cell development from macrophages, or removing foam cells, in a patient, the method comprising administering to the patient an effective amount of an inhibitor of PPARô activity. A method of preventing or treating a vascular disease associated with plaque formation and/or thrombotic blockage of the blood vessels in a patient, the method comprising administering to the patient an effective amount of an inhibitor of PPARS activity.

01/07066 A2

# **EXHIBIT B**

PAGENO.

INVENTION: I DISCLOSE A MODIFICATION TO A STENT DESIGNED TO IMPRIVE THE TREATMENT OF RESTAUDSLY BY ELITIMIC HEARDS OF PEROXISOME PROHERATOR-ACTIVATE PROME FAR Y LEARN IS ADDED TO A STENT BEFORM IMPLIATION IN A PHARMACOUT NICIDENT BOSE & WITH SUFFICIENT PURATION OF SUITION TO BLOCK THE LOCAL INCIDENCE OF RESTAUDSLY AFTER STENT DEPLOYMENT IN THE BODY.

RATIONALE FOR CHOOSING PPARY LIGANDS! PPARY IS A PHARMACOUT PROCEDED ON BE CHOSING FROM CONTRACT BY PINDING CONTAIN LIGANDS. THESE LIGANDS CAN BE CHOSING FROM CONTAIN FATTY ACIDS, SICOSANDIDS AND INSULANSING CLASS! ROSIGLITATIONE, PIOGLITATIONS & TROUBLITATIONS.

IN IMPORTANT CHARACTERISTIC OF ANT-RESTENDITIC DRUSS ASSENTS IS THEIR ABILITY TO INHIBIT SMOOTH AUSCLE COLL (SMC) PROLIFERATION, PARTY LIGHNUS ARE KNOWN E INHIBIT VASCUURSMC PROLIFERATION ROSABLY BY DIRECT INHIBITION OF CYCUN-EPHIDOUT KNASES (1,2).

, SECOND PROPERTY KEY IN AN ANTI-RESTENDED AGENT IS INHIBITION OF SMC TIGRATION COP FROM THE MEDIA TO THE NEOTHTMA OF AN ARTENY) PPARI IGENES BLOCK MIGRATION OF VASCULAR SMC (1).

TRIPD PROPORTY FOR MY ANTI-RESTRICTIC MODILE IS THE ABULTY TO BUSINE LOCAL NUMBER ON ACTIVATION OF MONDOLITS FOR THEIR SUSUINE SECRETION OF GROWTH PACTORSETTO HIGHER TROUBLE OF THE COLL CYCLE. PPARY ACCOUNTS INHURT HOW IN THE COLLING PROPORTION OF MONDOLITES (3). INTERESTRICT, IT IS KNOWN THAT CONTAIN MY STEROIDAL HAT THE AMOUNT DRUBS (NSADS) LIKE SULVIDED AND ANTI-RESTRICTION OF WITH PLADIS-LIKE LOSIONS (4). THE COULD BE RELATED TO THE FACT THAT SALLS HAVE PLADY ACCOUNTS OFFICIALLY AT LIGH CONCENTRATIONS (5).

ECONT CLINKAL FINDINGS DEMIGRISTRATE THAT PATTERIS DOSED SYSTEMICALLY WITH LOGITATIONS HOLD PRODUCED LIEBRITIMAL PROLIFERATION AT SIX-MONTHS AFTER CHONARY TONT IMPLANTATION (6) UNFORTRINATION THIS DRUG UNDER THOSE TRANSFORME REPULLARY WITHOUGHOUND FORM USE IN TRANSPORM TYPES I DIRBETTS BEFAUSE OF SCOTSINK LIVERY NICTH. SINKE PLANTAM PLUK LEUES WERE SMILLAR IN FOTH CASES, IT IS LIVERY THE AVIT PESTENDTIC SEFECTS OF SYSTEMIC TRUGHTATIONS COLLD RISE TO PAGE 00.29

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